

## PFIR INSERTION REGULATOR

The EnPro PFIR is an insertion Probe Regulator that provides a regulated sample supply to chromatograph's, H<sub>2</sub>S analyser, gravimeters, calorimeters, moisture analysers, instrument gas take-offs, and other on line analysing equipment

By taking the pressure drop at the tip of the probe, inside the pipe, the Joule-Thompson effect is minimised or eliminated. Thus a dry sample is generated. Essential for on-line analysers.

To assist the reduction of forces generating vortex shedding, the helical transition tube acts an aerodynamic stabiliser.

### Specifications:

**Pressure Temperature rating:** 900 ANSI

**Outlet Pressure:** 20 – 18,000 kPa

### Connections

1" NPT connection standard. ¾" and ½" available. Flanged connection available up to 900 ANSI in RF, RTJ, etc.; Screwed-on Carbon steel or Stainless steel; Integral.

### Insertion length:

75 mm standard with variable extensions available

### Construction & materials:

316 stainless steel, Viton elastomers (std)  
PTFE/PEEK seat  
Inlet filter 30 microns  
Bolted bonnet.

### Capacity:

Cv: 0.06

### Options:

Silconert treatment (inhibits sulphur and mercury ingress)  
Specialty tips for liquids and particulates (pre and post regulation)  
Heated version available



**PFIR Regulator, 1" connection; 110 mm insertion**



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